

What Is Claimed Is:

1. A method for providing product information comprising the steps of:
establishing a local reference frame which defines a space including a
product identifier and a portable display device;

5 receiving a request for product information corresponding to the product
identifier from the portable display device;

determining a position of the portable display device in relation to the local
reference frame; and

10 providing the product information via the portable display device according
to the position of the portable display device.

15 2. The method of claim 1, further comprising the step receiving an
order for a product corresponding to the product identifier from the portable
display device.

3. The method of claim 1, further comprising the step of receiving a
bid for a product corresponding to the product identifier from the portable display
device.

20 4. The method of claim 1, further comprising the step of adding a
product corresponding to the product identifier to a user shopping list using the
portable display device.

5. The method of claim 1, further comprising the step of providing a menu for distinguishing a plurality of products in the space via the portable display device.

5 6. The method of claim 1, further comprising the step of redirecting a user toward an alternative product using the portable display device.

7. The method of claim 1, further comprising the steps of:
determining the orientation of the portable display device; and
10 selecting between the object and another proximate object on the basis of the orientation of the portable display device.

8. The method of claim 1, wherein the local reference frame is established using an active beacon.

15 9. The method of claim 8, further comprising the step of determining a position of the portable display device by comparing one of signal strengths of at least two beacons, a signal transmission time from each of at least two beacons, and an angle between at least two beacons.

20 10. The method of claim 1, wherein the local reference frame is established using passive environmental markings.

11. The method of claim 10, further comprising the step of determining a position of the portable display device relative to at least one environmental marking.

5 12. The method of claim 10, further comprising the step of determining a position of the portable display device relative to an angle between at least two environmental markings.

10 13. The method of claim 1, further comprising the step of retrieving the product information from a database stored in the portable display device.

14. The method of claim 1, wherein the local reference frame is established relative to the portable display device and moves with the portable display device.

15 15. A system for providing a user access to information comprising:
a portable display device within a local reference frame including an object;

a plurality of positional sensors;

20 a correlation means for determining the object according to a known position of the object within the local reference frame, and the position of the portable display device; and

a database for providing, via the portable display device, information corresponding to the object.

16. The system of claim 15, further comprising a plurality of active
5 beacons defining the local reference frame, wherein the positional sensors are part of the portable display device.

17. The system of claim 15, wherein the correlation means determines
the position of the portable display device based on a signal strength of at least
10 one active beacon, wherein the signal strength is determined by the positional sensors.

18. The system of claim 15, where the correlation means determines
the position of the portable display device is based on a signal transmission
15 times from each of at least two active beacons.

19. The system of claim 15, further comprising a wireless
communication link between the portable display device and a database of
product information.

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20. A program storage device readable by machine, tangibly
embodying a program of instructions executable by the machine to perform
method steps for providing product information, the method steps comprising:



Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	